Layer (type)	Output Shape	Param #
input_1 (InputLayer)	(None, 1)	0
lambda_1 (Lambda)	(None, 512)	0
dense_1 (Dense)	(None, 128)	65664
dropout_1 (Dropout)	(None, 128)	0
dense_2 (Dense)	(None, 1)	129

Total params: 65,793
Trainable params: 65,793
Non-trainable params: 0

```
Train on 150000 samples, validate on 25000 samples
Epoch 1/20
150000/150000 [==============================] - 268s 2ms/step - loss: 0.3434 - acc: 0.8498 - val_loss: 0.3193 - val_acc: 0.8619
Epoch 2/20
150000/150000 [==============================] - 262s 2ms/step - loss: 0.3141 - acc: 0.8642 - val_loss: 0.3052 - val_acc: 0.8680
Epoch 3/20
150000/150000 [==============================] - 261s 2ms/step - loss: 0.3020 - acc: 0.8703 - val_loss: 0.2964 - val_acc: 0.8733
Epoch 4/20
150000/150000 [==============================] - 263s 2ms/step - loss: 0.2922 - acc: 0.8754 - val_loss: 0.2870 - val_acc: 0.8773
Epoch 5/20
150000/150000 [==============================] - 262s 2ms/step - loss: 0.2845 - acc: 0.8802 - val_loss: 0.2779 - val_acc: 0.8828
Epoch 6/20
150000/150000 [==============================] - 262s 2ms/step - loss: 0.2764 - acc: 0.8840 - val_loss: 0.2741 - val_acc: 0.8844
Epoch 7/20
150000/150000 [==============================] - 261s 2ms/step - loss: 0.2688 - acc: 0.8882 - val_loss: 0.2642 - val_acc: 0.8899
Epoch 8/20
150000/150000 [==============================] - 263s 2ms/step - loss: 0.2615 - acc: 0.8917 - val_loss: 0.2603 - val_acc: 0.8926
Epoch 9/20
150000/150000 [==============================] - 263s 2ms/step - loss: 0.2550 - acc: 0.8944 - val_loss: 0.2521 - val_acc: 0.8966
Epoch 10/20
150000/150000 [==============================] - 252s 2ms/step - loss: 0.2498 - acc: 0.8968 - val_loss: 0.2518 - val_acc: 0.8968
Epoch 11/20
150000/150000 [==============================] - 260s 2ms/step - loss: 0.2441 - acc: 0.8989 - val_loss: 0.2428 - val_acc: 0.9011
Epoch 12/20
150000/150000 [==============================] - 270s 2ms/step - loss: 0.2379 - acc: 0.9026 - val_loss: 0.2356 - val_acc: 0.9047
Epoch 13/20
150000/150000 [==============================] - 249s 2ms/step - loss: 0.2313 - acc: 0.9056 - val_loss: 0.2325 - val_acc: 0.9054
Epoch 14/20
150000/150000 [==============================] - 252s 2ms/step - loss: 0.2268 - acc: 0.9083 - val_loss: 0.2249 - val_acc: 0.9091
Epoch 15/20
150000/150000 [==============================] - 266s 2ms/step - loss: 0.2220 - acc: 0.9099 - val_loss: 0.2209 - val_acc: 0.9124
Epoch 16/20
150000/150000 [==============================] - 260s 2ms/step - loss: 0.2165 - acc: 0.9122 - val_loss: 0.2177 - val_acc: 0.9133
Epoch 17/20
150000/150000 [==============================] - 260s 2ms/step - loss: 0.2118 - acc: 0.9140 - val_loss: 0.2122 - val_acc: 0.9154
Epoch 18/20
150000/150000 [==============================] - 250s 2ms/step - loss: 0.2082 - acc: 0.9160 - val_loss: 0.2087 - val_acc: 0.9175
Epoch 19/20
150000/150000 [==============================] - 258s 2ms/step - loss: 0.2034 - acc: 0.9184 - val_loss: 0.2030 - val_acc: 0.9213
Epoch 20/20
150000/150000 [==============================] - 261s 2ms/step - loss: 0.1995 - acc: 0.9192 - val_loss: 0.1991 - val_acc: 0.9223
75000/75000 [==============================] - 120s 2ms/step
```

Test score: 0.2005392867533366
Test accuracy: 0.9214266666603088